Pharmacy
HV
5800
B94

HV
5800
.B94

# BULLETIN ON NARCOTICS

**Volume XI, 1959**

# INDEX

## ABBREVIATIONS

| | |
|---|---|
| APD | stands for " Expert Committee on Addiction-producing Drugs " |
| COUNCIL | stands for " Economic and Social Council " |
| ICPO | stands for " International Criminal Police Organization " |
| PCOB | stands for " Permanent Central Opium Board " |
| WHO | stands for " World Health Organization " |

## NOTE

References in italics indicate the beginning and the end of the article cited, when it deals in its entirety with the subject under which it is placed.


### A

Abaffy, F. & Kveder, S.
Circular paper chromatography, No. 4, p. 22

Abstinence phenomena,
Abstinence syndrome, *see* Withdrawal

Acedicon, *see* Thebacon

Acetyldihydrocodeine (Acetylcodone)
Micro-crystalline and colour tests, No. 1, p. 28-40 (ill.)
World production (1953-1957), No. 1, p. 48

Acethyldihydrocodeinone, *see* Thebacon

Acetylethylmorphine
National control, No. 1, p. 50

Acts, *see* Legislation

Addiction, Addicts, *see also* Treatment of addicts, Withdrawal
— APD, 9th Report
— Information Centre, No. 2, p. 45, 46
Bibliography, No. 1, p. 25, 26; No. 3, p. *45-46*
Commission on ND (14th sess.), No 4, p. 40
Detection by paper cromatography, No. 4, p. 28 *et seq.*
Dextromoramide, No. 4, p. 10, 13-18
Germany
— Drug addiction in medical and allied professions, No 1, p. *18-26*
Hong Kong, No. 2, p. 6
Iran
— Struggle against abuse of opium, No. 3, p. 29
Newborn infants, No. 2, p. 15
Norway
— Barbiturate intoxication and addiction, No. 3, p. *15-28*
Peyotl, Mescalin, No. 2, p. 27, 28
Physical dependence and tolerance to analgesic drugs in patients with chronic pain. I, No. 1, p. *3 -17*; No. 2, p. 45

Administrative measures
Iran, Opium prohibition, No. 1, p. 1, 2

Addiction Research Center of the United States Public Health Service, *see* Hospitals, Lexington (Ky.)

Advisory Committee on Traffic in Opium and other dangerous drugs, *see* League of Nations

Afghanistan
Opium poppy
— illicit traffic, No. 4, p. 41
— prohibition, No. 1, p. 2

Albricht, I. C.
Noscapine properties intensified by opium, No. 3, p. 7

Alkaloids
Paper chromatography, No. 4, p. 21, 26, 32
— Macek's method, No. 4, p. 31, 33

Alkaloids of opium, Mixed (Pantopon)
Germany
— Drug addiction, No. 1, p. 20

All-Union Scientific Research Institute for Fibre Crops, Glukhov, *see* USSR

3-Allyl-1-methyl-4-phenyl-4-propionoxypiperidine
Control regime, No. 2, p. 9, 47

Allypropymal
Barbituric addiction, No 3, p. 16 *et seq.*

Alphacetylmethadol (Methadyl acetate)
Micro-crystalline and colour tests, No. 1, p. 28-39

Alphameprodine
Micro-crystalline and colour tests, No. 1, p. 28-41 (ill.)

Alphamethadol (Amidol)
Micro-crystalline and colour tests, No. 1, p. 28-43 (ill.)

Alphaprodine (Nisentil)
Manufacture, consumption (1953-1957), No. 1, p. 50
Micro-crystalline and colour tests, No. 1, p. 28-42 (ill.)
Paper chromatography, No. 4, p. 21
— Neutral solvents, No. 4, annex table II E

Alvarez-Ude, F.
Dextromoramide, No. 4, p. 14, 15

Amidalgon, *see* Dioxaphetyl butyrate

Amidol, *see* Alphamethadol

Amidone, *see* Methadone

Amphetamines
Germany
— Drug addiction, No 1, p. 20

Anchersen, P.
Morphine addiction, No. 3, p. 24

Anhalamine
Chemical and physical properties, No. 2, p. 23, 24.

Anhalonidine
Chemical and physical properties, No. 2, p. 23, 24

Anhalonine
Chemical and physical properties, No. 2, p. 23, 24

Anhalonium Jourdanianum

Anhalonium Lewinii
Peyotl, No. 2, p. 22

Anileridine
APD, 9th Report, No 2, p. 45
Development of physical dependence and tolerance . . . I. Comparison of morphine, oxymorphone and anileridine, No. 1, p. *3-17*
Manufacture, consumption (1956-1957), No. 1, p. 50
Micro-crystalline and colour tests, No. 1, p. 28-39

Anslinger, H. J.
Col. C. H. L. Sharman, No 4, p. *1-4*

Antitussives
APD 9th Report, No. 2, p. 45
Dextromoramide, No. 4, p. 10

Apomorphine
Paper chromatography, N° 4, p. 32, 33

Ardalan, A. G.
Comm. on ND (14th session), No. 4, p. 39

Argentina
Coca leaves
— consumption (1953-1957), No. 1, p. 47, 48
— imports, No. 4, p. 41
Ketobemidone
— consumption (1954), No. 1, p. 49

Aerztekammern (Chambers of (German) Physicians), *see* Medical profession

Aerztetag, *see* Federal Republic of Germany

Asahina, H.
$R_p/M$ ratio, No. 4, p. 27

Auger, J.
Dextromoramide, No. 4, p. 15, 17

Australia
Diacetylmorphine consumption, No. 1, p. 48

Austria-Hungary
Shanghai Opium Commission (1909), No. 1, p. 45

Azarakhsh, Dr. A.
Narcotics Control in Iran, No. 3, p. 29


## B


Babayev, A. Z. & Goldberg, I. K.
Expertise on anash (hashish), No. 4, p. 6

Barbiturates
Barbiturate intoxication and addiction as a public health problem in Oslo, No. 3, p. *15-28*
Germany
— Drug addiction, No. 1, p. 20

Barlow O. W. & Stormont, M. P.
Action of noscapine, No. 3, p. 7

Belgium
Dextromoramide manufacture, No. 1, p. 49; national control, p. 50; No. 4, p. 17
Diacetylmorphine production, consumption No. 1, p. 48
Ketobemidone consumption, No. 1, p. 49

Belles, Q. C. & Sievert, . W.
Detection of narcotics, No. 4, p. 31
$R_f$ values, No. 4, p. 27

Bemidone, *see* Hydroxypethidine

Bentley, K. W., Ball, J. C. & Cardwell, H. M. E.
Diels-Alder adducts of thebaine, No. 3, p. 3, 4

Benzedrine (Elastonon)
Germany
— Drug addiction, No. 1, p. 20

Benzylmorphine
PCOB Report (1958), No. 1, p. 48
World production (1953-1957), No. 1, p. 48

Berger, F. M.
Meprobamate treatment, No. 2, p. 13

Bergmann, M. & Stolzer, H.
Antitussive action of noscapine, No. 3, p. 8

Beringer, K.
Peyotl alkaloids, No. 2, p. 26

Betameprodine
Micro-crystalline and colour tests, No. 1, p. 28-39

Betaprodine
Consumption (1953-1957), No. 1, p. 50
Micro-crystalline and colour tests, No. 1, p. 28-39

Bettschart, A. & Flueck, H.
Chromogenic reagents, No. 4, p. 24
$R_f$ values, No. 4, p. 27, 28

Bezem, K. D. & Schalij, G.
Dextromoramide toxicity, No. 4, p. 15

Bibliography
Cannabis, No. 4, p. 9
Dextromoramide, No. 4, p. *18-19*
Drug addiction, No. 1, p. 25, 26
Meprobamate treatment of addicts, No. 2, p. 14
Micro-crystalline and colour tests, No. 1, p. 44
Noscapine, No. 3, p. 14
Paper chromatography, No. 4, p. *34-37*
Peyotl, Mescaline, Lysergic acid, No. 2, p. *30-41*; No. 3, p. 47
Scientific publications for 1958, No. 3, p. *30-47*

Bickerman, H. A.; Barach, A. L. & Drimmer, F.
Antitussive action of noscapine, No. 3, p. 8

Big Sheep
Peyotl cult, No. 2, p. 18

Block, R. J.; Dullum, E. L. & Zweig, G.
Paper chromatography, No. 4, p. 22, 24, 34

Bockmühl, M. & Ehrhart, G.
Dextromoramide, No. 4, p. 10

Boleman Jr, A. P.
Reactions to tranquillizers, No. 2, p. 12

Bolivia
Coca leaves
— consumption (1954, 1957, No. 1, p. 47; No. 4, p. 41
— production, No. 1, p. 47

Borrus, J. C.
Meprobomate treatment, No. 2, p. 12, 13

Boudin, G. & Barbizet, J.
Dextromoramide, No. 4, p. 11-17

Bourgois, G.
Col. C. H. L Sharman, No. 4, p. 1, 4

Brazil
Codeine consumption, No. 1, p. 48

Brent, Most Reverend Ch.
Shanghai Opium Commission (1909) No. 1, p. 45

Brisset, Ch. & Dereux, J. F.
Dextromoramide addiction, No 4, p. 14

Büchi, J.
Chromogenic reagents, No. 4, p. 24

Büchi, J. & Schumacher, H.
$R_f$ values, No. 4, p. 25, 27

Bundesärztekammer (Federal Chamber of Physicians), Bundeskriminalamt (Federal Criminal Office), Bundesopiumstelle (Federal (German) Narcotics Bureau), *see* Germany, addiction

Burma
Opium
— illicit traffic, No. 4, p. 41


## C


3570 CT (Piperidinomethyl-2-benzoyl-7-benzodioxan)

3633 CT (Morpholinomethyl-2-benzoyl-7-benzodioxan)

3638 CT (Piperidinomethyl-2-p-methoxybenzoyl-7-benzodioxan)

3639 CT (Morpholinomethyl-2-p-methoxybenzoyl-7-benzodioxan)
Control régime, No. 2, p. 47
Micro-crystalline and colour tests, No. 1, 28-39

Cailar, J. du
Dextromoramide, No. 4, p. 16

Cambodia
Opium
— illicit traffic, No. 4, p. 41

Canada
Addiction, No. 4, p. 28
Col C. H L. Sharman
— Narcotic services, No. 4, p. 2, 3
Consumption
— codeine, No. 1, p. 48
— diacetylmorphine, No. 1, p. 48
Opium and Narcotic Drug Acts (1929), No. 4, p. 2, 28

Cannabidiol
Chemical and biological evaluation, No. 4, p. 5, 6

Cannabinol
Chemical and biological evaluation, No. 4, p. 5, 6, 9
Pharmacological experiments No. 3, p. 5

Cannabis (Marihuana)
Addiction
— Canada, No. 4, p. 28
Bibliography, No. 3, p. 40; No. 4, p. 9
Chemical and biological evaluation of the resin of hemp . . . No. 4, p. 5-9
Comm. on ND (14th session)
— Identification and research, No. 4, p. 41
— Medical use, No. 4, p. 41
1925 Convention
— preparations of Indian hemp, No. 2, p. 1, 2
Illicit traffic, No 4, p. 40
PCOB Report (1958), No. 1, p. 48
Paper chromatography, No. 4, p. 28
Problem of cannabis, No. 3, p. *5-6*

Caroli, J. & Charbonnier, A.
Dextromoramide, barbiturates and tranquillizers No. 4, p. 16

Carrière, Dr.
Peyotyl, No. 2, p. 26

Castel, P.; Attiso, M. & Serre, L.
Dextromoramide, No. 4, p. 10

*Catha Edulis Forssk.*, *see* Khat

Cathidine, cathinine
Khat, No. 2, p. 43

Cathine
Extraction, No. 2, p. 43, 44
Formula, No 2, p. 44
Identification, No. 2, p. 42, 43
Properties, No. 2, p. 44

Charlier, R. & Vandersmissen, L.
Method for measuring respiratory capacity, No. 3, p. 10

Chile
Coca leaves
— Prohibition, No. 4, p. 41

China
Coca leaves
— production, No. 1. p. 47
Shanghai Opium Commission (1909), No. 1, p. 45

Chlorpromazine
Treatment of addiction, No. 2, p. 6

Chopra, R. N.; Mukerjee, B. & Dikshit, B. B.
Action of noscapine, No. 3, p. 7, 13

Chromatography, Paper
Physico-chemical methods for the identification of narcotics (*cont.*), part Va, No. 4, p. *20-37* and annex (tables II A, B, C, D, E)

Citarin, *see* Racemorphan

Clarke, E. G. C.
Microchemical identification of some modern analgesics, No. 1, p. *27-44* (ill.)

Clayton, R. A.
$R_f$ values, No. 4, p. 25

Clinical Institute of the German Research Institute for Psychiatry, Munich (Max Planck Institute), *see* Germany, Federal Republic of

Cliradon, *see* Ketobemidone

Coca leaves
Comm. on ND (14th session), No. 4, p. 41
1925 & 1931 Conventions
— Preparations ... from the coca leaf, No. 2, p. 1, 2
PCOB Report (1958), No. 1, p. 47, 48

Cocaine
Addiction
— Canada, No. 4, p. 28
— Germany, No. 1, p. 20
Bibliography, No. 3, p. 40
1925 and 1931 Conventions
— Preparations ... from the coca leaf, No. 2, p. 1, 3, 4
Illicit traffic, No. 4, p. 40
Iran, No. 1, p. 1, 2
PCOB Report (1928), No. 1, p. 49
Paper chromatography, No. 4, p. 21-33
— Solvents, No. 4, annex tables II A, B, C, D, E
Production (1957), estimated requirements, No. 1, p. 52

Cocaine, crude
Manufacture, No. 1, p. 49

Cocteau, J.
Drug addiction, No. 3, p. 24

Codeine
APD Committee, No. 2, p. 45
Addiction
— Canada, No. 4, p. 28
— Germany, No. 1, p. 20
— Norway, No. 3, p. 25
Compared to
— dextromoramide (toxicity), No. 4, p. 15
— noscapine, No. 3, p. 10
PCOB Report (1958), No. 1, p. 47, 48
Paper chromatography, No. 4, p. 21-23
— solvents, No. 4, annex tables II A, B, C, D, E
Synthetic interconversions of derivates, No. 3, p. 2, 3
World requirements, No. 1, p. 52, 53

Colombia
Coca leaves
— consumption (1953-1957), No. 1, p. 47
— production, No. 1, p. 47
— prohibition, No. 4, p. 41

Colour reactions, Colour tests
*see* Determination

Commission, International (Shanghai) Opium 1909
Organization, recommendations, No. 1, p. *45-46*

Commission on Narcotic Drugs (Comm. on ND)
APD 9th Report, No. 2, p. 45
Dextromoramide, No. 4, p. 17, 18
Preparations, exempted, No. 2, p. 4
San Francisco Conference (1945), No. 4, p. 3
14th Session, No. 4, p. *39-42*

Committee on Drug Addiction and Narcotics (of the National Research Council), *see under* United States

Committee, Health, *see* League of Nations

Committee on Illicit traffic
Commission on Narcotic Drugs (14th session), No. 4, p. 40

Committee for Limitation (1931 Conference)
Col. C. H. L. Sharman, No. 4, p. 2

Conference of German Physicians and Surgeons (Aerztetag) of the German Society for Psychiatry and Neurology, *see* Germany, Federal Republic of

1931 Conference (Limitation)
Col. C. H. L. Sharman, No. 4, p. 2

1953 Conference (Opium)
Col. C. H. L. Sharman, No. 4, p. 4

Conference, San Francisco 1945
Control of narcotic drugs, No. 4, p. 3

Consumption
DSB Report, No. 1, p. 52-53
PCOB, Report (1958), No. 1, p. *47-51*

Control
Changes in scope of control, No. 2, p. 47; No. 4, p. 39-40
National control, shortcomings
— Acetylmorphine, Dextromoramide, Normethadone, No. 1, p. 50-51

Control regime
New drugs, No. 2, p. 47
Preparations of narcotic drugs, exempted preparations, No. 2, p. *1-5*

Convention on Narcotic Drugs, Draft of the Single
APD 9th Report, No. 2, p. 46
Comm. on ND (14th session), No. 4, p. 40
— Cannabis, p. 41
— New drugs, p. 42
Preparations, exempted, No. 2, p. 4

1912 Convention (The Hague)
Col. C. H. L. Sharman, No. 4, p. 2
Shanghai Opium Commission (1909), No. 1, p. 45

1925 Convention (International Opium Convention)
Changes in scope of control, No. 2, p. 47
Col. C. H. L. Sharman, No. 4, p. 2
Comm. on ND (14th sess.), No. 4, p. 40, 41
National control on synthetic narcotics, No. 1, p. 50, 51
PCOB Report (1958), No. 1, p. 47
Preparations of narcotic drugs, No. 2, p. *1-5*

1931 Convention
Col. C. H. L. Sharman, No. 4, p. 2, 4
Comm. on ND (14th sess.), No. 4, p. 39
Drug Supervisory Body, No. 1, p. 52-53
National control on synthetic narcotics, No. 1, p. 50, 51
PCOB Report (1958), No. 1, p. 47
Preparations of narcotic drugs, No. 2, p. *1-5*

1936 Convention
Col. C. H. L. Sharman
— Art. 2, para. (*c*), No. 4, p. 3
Preparations, exempted, No. 2, p. 4, 5

Cooper, N. & Hatcher, R. A.
Toxicity of noscapine, No. 3, p. 8

Cope, E. & Jones, P. O.
Dextromoramide, No. 4, p. 17

Corneal reflex, *see* tests

Cotarnine
Paper chromatography, No. 4, p. 21, 26, 33
— solvents, No. 4, annex tables II A, B, C, D, E

Cotarnoline,
Paper chromatography, No. 4, p. 21, 24
— solvents, No. 4, annex table II E

Coulter
Lophophora, No. 2, p. 22

Council, Economic and social
APD Report (9th session), No. 2, p. 45
Commission on Narcotic drugs, No. 4, p. 3
PCOB Report for 1958, No. 1, p. 47
28th session, No. 4, p. *39-42*

Cramer, F.
$R_f$ value, No. 4, p. 34

Crecraft
Addteicd physicians, No. 1, p. 19

Crime, Delinquency
Germany
— Drug addiction, No. 1, p. 18, 21
Khat chewing, No. 2, p. 42

Critchley, M.
Peyotl, mescaline habituation and addiction, No. 2, p. 26, 27

Crytopine
Paper chromatography, No. 4, p. 21, 24, 26, 33
— solvents, No. 4, annex table II E

Csoban, G. & Hegedues, I.
Chromogenic reagents, No. 4, p. 24

Curry, A. S.
Analysis of alkaloids, No. 4, p. 32 (footnote)
$R_f$ values, No. 4, p. 27

Czechoslovakia
Morphine
— manufacture, No. 1, p. 48

D

David, M. & Deligné, P.
Dextromoramide, No. 4, p. 13, 17
Definitions
Opium, medicinal, No. 2, p. 2
Preparations, exempted, No. 2, p. 2, 3
De Jongh, D. K. & van Proosdij- Hartzema
Dextromoramide, No. 4, p. 12, 13
Delevingne, Sir M.
Col. C. H. L. Sharman, No. 4, p. 1
Deligné, P. & Gilles, M. R.
Dextromoramide, No. 4, p. 16
Delinquency, Delinquents, *see* Crime
Denmark
Ketobemidone
— consumption (1954-1957), No. 1, p. 49
— production (1953-1957), No. 1, p. 49
Dependence, physical, *see* Addiction
De Quincey
Withdrawal symptoms, No. 2, p. 11
Desmarez, J. J.
Dextromoramide, No. 4, p. 12, 13, 14
Method for determining tranquillizing action, No. 3, p. 12
Desomorphine (Permonid)
Micro-crystalline and colour tests, No. 1, p. 28-40 (ill.)
Paper chromatography, No. 4, p. 21
— solvents, No. 4, annex tables II A, B, E
Determination, Identification, Assay, Titration
Microchemical identification of some modern analgesics, No. 1, p. *27-44* (ill.)
Physico-chemical methods for the identification of narcotics (*cont.*) Part V a: Paper chromatography, No. 4, p. *20-37* and annex tables
Dextromethorphan (Romilar)
Antitussive action, No. 2, p. 45
Micro-crystalline and colour tests, No. 1, p. 28-39
Dextromoramide (R.875, Jetrium, Palfium, Pyrrolamidol)
Comm. on ND (14th session), No. 4, p. 39
Micro-crystalline and colour tests, No. 1, p. 28-39
National control, No. 1, p. 50
PCOB Report (1958), No. 1, p. 49
Pharmacological properties and therapeutic use, No. 4, p. *10-19*
Dextrorphan
Micro-crystalline and colour tests, No. 1, p. 28-29
Diacetylmorphine
Addiction, Canada, No. 4, p. 28
Estimated requirements, No. 1, p. 52
Iran, No. 1, p. 1, 2
Newborn infants, No. 2, p. 15
PCOB Report (1958), No. 1, p. 48
Paper chromatography, No. 4, p. 21-33
— solvents, No. 4, annex tables II A, B, C, D, E
Preparations, No. 2, p. 3, 4
Production, No. 1, p. 27 (1957), 48, 52
Tests on abstinence phenomena, No. 1, p 3.
Toxicity, compared to Dextromoramide, No. 4, p. 15
Use of meprobamate in the treatment of heroin withdrawal symptoms, No. 2, p. *6-14*
Dicodid, *see* Hydrocodone
Diaz, A. E.
Dextromoramide, No. 4, p. 17
Diemal
Barbituric addiction, No. 3, p. 16 *et seq.*
Diethylthiambutene (Themalon)
Manufacture, consumption (1956-1957), No. 1, p. 50
Micro-crystalline and colour tests, No. 1, p. 28-43 (ill.)
Dihydrocodeine
Paper chromatography, No. 4, p. 21
— solvents, No. 4, annex tables II A, B, C, D, E
Production (1953-1957), No. 1, p. 48
Dihydrocodeinone, *see* Hydrocodone
Dihydromorphine
World production (1953-1957) No. 1, p. 48
Dihydromorphinone, Dilaudid *see* Hydromorphone
Dimenoxadol (Dimenthylaminoethyl l-ethoxy-1,1-diphenylacetate, or dimethylaminoethyl diphenylethoxyacetate, NIH-7577, Lokarin)
Commission on ND (14th sess.),No. 4, p. 39
Control regime, No. 2, p. 47
Dimethylthiambutene
Consumption (1954-1957). No. 1, p. 50
Micro-crystalline and colour tests, No, 1, p. 28-39
Dimina, *see* Khat
Dionine, *see* Ethylmorphine HCl
Dioxaphethyl butyrate (Amidalgon)
Control regime of preparations containing No. 2, p. 47
Manufacture, consumption (1956-1957), No. 1 p. 50
Micro-crystalline and colour tests, No. 1, p. 28-43 (ill.)
Dipipanone (Pipadone)
Consumption (1955-1957), No. 1, p. 50
Micro-crystalline and colour tests, No. 1, p. 28-43 (ill.)
Dobro, M. S. & Kosafuka, S.
Analysis of narcotics, No. 4, p. 28
Rf values, No. 4, p. 27
Dobroschke, G.
Dextromoramide, No. 4, p. 16
Dolantine, *see* Pethidine
Doloxene, *see* Propoxyphene
Domenjoz, R.
Method for measuring antitussive action, No. 3, p. 11
Douin J.
Dextromoramide addiction, No. 4, p. 14
Dover powder
Control regime, No. 2, p. 3
Dromoran, *see* Levorphanol
Drug addiction, *see* Addiction
Drug Addiction Committee of the National Research Council, *see* United States Committee on Drug Addiction and Narcotics
Drug Supervisory Body (DSB)
APD 9th Report, No. 2, p. 45
Col. C. H. L. Sharman, No. 4, p. 3, 4
Estimated world requirements (1959 , No. 1, p. *52-53*
Dumont, J.
Dextromoramide, No. 4, p. 16
J. Dumont & Desmarez, J. J.
Dextromoramide, No. 4, p. 12
Durchlauf chromatography, No. 4, p. 22, 27, 32
Dyrberg, V. & Andersen, E. W.
Antalgic properties of dextromoramide, No. 4, p. 17

E

Echinocactus Williamsii (Lems)
Peyotl, No. 2, p. 18, 22
Ecuador
Opium
— illicit traffic, No. 4, p. 41
Eddy, N. B.
Noscapine, No. 3, p. 12
Eddy, N. B., Halbach, H. & Braenden, O.
Eddy, N. B. & Himmelsbach, C. K.
Research on addiction liability of analgesic drugs, No. 1, p. 3
Eddy, N. B.; Lee, Jr., L. E. & Harris, C. A.
Rate of development of physical dependence and tolerance to analgesic drugs in patients with chronic pain. I. Comparison of morphine, oxymorphone and anileridine, No. 1, p. *3-17*
Ehrhardt, Prof. H.
Drug addiction in the medical and allied professions in Germany, No. 1, p. *18-26*
Elastonon, *see* Benzedrine
Ellenberger, Dr.
Peyotl addiction, No. 2, p. 28
Ellis, H.
Peyotl intoxication, No. 2, p. 27
Engelmann
Anhalonium Williamsii, No. 2, p. 22
Ephedrine
Formula, No. 2, p. 44
Erythroxylon coca
Paper chromatography, No. 4, p. 28
Estimates, Statistics
Col. C. H. L. Sharman, No. 4, p. 3, 4
Drug addiction in Germany, No. 1, p. 18-21
World requir ments (1959), No. 1, p. *52-53*
Ethiopia
Khat, No. 2, p. 42, 43, 44
Ethoheptazine (W. 401, Zactane)
Micro-crystalline and colour tests, No. 41, p. 28-39
Ethylmethylthiambutene (3-ethylmethylamino-1,1-(2'-thienyl)-1-butene)
Micro-crystalline and colour tests. No. 1, p. 28-29
Ethylmorphine (Dionine)
Consumption, No. 1, p. 48, 53; No. 2, p. 5
PCOB Report (1958), No. 1, p. 48
Paper chromatography, No. 4, p. 21, 26, 33
— solvents, No. 4, annex tables II A, B, C, D, E
Production, estimated requirements, No. 1, p. 48, 52
Etoxeridine
Micro-crystalline and colour tests, No. 1 p. 28-42 (ill.)
Eukodal, *see* Oxycodone

Expert Committee on Addiction-producing Drugs, *see* WHO, APD (Expert Committee on Addiction-producing Drugs)

Export, Imports
Normethadon (Ticarda), No. 1, p. 50, 51
Khat, No. 2, p. 42, 43

F

FAO (Food and Agriculture Organization)
Mission to Iran, No. 3, p. 29
Technical Assistance, No. ,4 p. 39

Farmilo, C. G., *see* Genest, Kl. & Farmilo, C. G.

Federal Narcotics Bureau (Bundesopiumstelle)
Federal Criminal Office (Bundeskriminalamt) *see* Germany

Fenemal
Barbituric addiction, No. 3, p. 16 *et seq.*

First-aid Kits
APD 9th Report, No. 2, p. 46
Comm. on ND (14th sess.) No. 4, p. 41

Finland
Ketobemidone consumption, No. 1, p. 49
Normethadone manufacture, No. 1, p. 49

Fisher, R. & Otterbeck, N.
Analysis method, No. 4, p. 29, 31 (ill.)
Chromogenic reagents, No. 4, p. 24
$R_f$ values, No. 4, p. 27

Fort Worth (Tex.) Hospital, *see* Hospitals

France
Consumption, No. 1
— codeine, diacetylmorphine, ethylmorphine, p. 48
Dextromoramide, No. 4, p. 17
Manufacture, production, No. 1
— cocaine, p. 49
— diacetylmorphine, p. 48; ethylmorphine, p. 48
— morphine, p. 48; from poppy straw, p. 47
— pethidine, p. 49
Opium smoking, prohibition, No. 4, p. 3
Shanghai (international) opium commission (1909), No. 1, p. 45

Fraser, H. P. & Isbell, H.
Dextromoramide addiction liabilities, No. 4, p. 15, 17

Fränkel, S.
Cannabinol experiments, No. 3, p. 5

Frey, von
Corneal reflex, No. 3, p. 6

Friedgood, C. E. & Ripstein, C. B.
Treatment of addicts, No. 2, p. 6

Fubini
Lethal doses, No. 3, p. 13

Fuller, Stuart J.
Col. C. H. L. Sharman, No. 4, p. 1

Fulton, C. C.
Cannabis extract tests, No. 4, p. 6

G

Garcia Valdecasas, Fr.
Dextromoramide toxicity, No. 4, p. 15

Gates, M.

Gates M. & Webb, W. G.
Synthesis of isomers of morphinans, No. 3, p. 1

Gaupp, Dr.
Drug addiction in Germany, No. 1, p. 24

Genest, Kl. & Farmilo, C. G.
Physico-chemical methods for the identification of narcotics (*cont.*). Part V*a*: Paper chromatography, No. 4, p. *20-37* and annex tables.

German Democratic Republic
Berlin, Free University of
— Institute for Legal and Social Medicine
— Paperchromatography, No. 4, p. 29
Codeine consumption and production, No. 1, p. 48
Manufacture, No. 1
— morphine, p. 48
— normethadone, pethidine, p. 49

Germany, Federal Republic of
Addiction
— in medical and allied professions, No. 1, p. *18-26*
— in Munich (1953-1955), No. 4, p. 29 (table)
Aerztetag (Conference of German physicians and surgeons of the German Society for Psychiatry and Neurology), No. 1, p. 24, 25
Bundesärztekammer (Federal Chamber of Physicians)
Bundeskriminalamt (Federal Criminal Office)
Bundesopiumstelle (Federal Narcotics Bureau), No. 1, p. 19, 20, 21
Consumption, No. 1
— ketobemidone (1954-1957), p. 49; Methadone, p. 49
Control, shortcoming in
— normethadone (Ticarda), No. 1, p. 50, 51
Manufacture, No. 1
— cocaine, p. 49; codeine, p. 48
— morphine from poppy straw, p. 47
— normethadone (Ticarda), p. 49, 50
— pethidine, p. 49
Max Planck Institute
— Clinical Institute of the German Research Institute for Psychiatry (Munich), No. 4, p. 29

Gilles, M. R.
Dextromoramide, No. 4, p. 15, 17

Ginsburg, Prof. D.
Some recent advances in the chemistry of the opium alkaloids, No. 3, p. *1-4*

Girard & Régnier
Cannabis sativa, identification, No. 4, p. 6

Goldbaum, L. R. & Kazyak, L.
$R_{Cod}$ values, No. 4, p. 27, 31

Goodman, L. S. & Gilman, A.
Treatment of addicts, No. 2, p. 6

Gore, D. N. & Adshead, J. M.
$R_f$ values, No. 4, p. 25

Gravenstein, J. S. & Beecher, H. K.
Antitussive action of noscapine, No. 3, p. 8

Green, A. F. & Ward, N. B.
Antitussive action of noscapine, No. 3, p. 8
Dextromoramide, No. 4, p. 12, 13

Gruhzit, Dr. C. C. & Dr. C. O. Lee
The use of meprobamate in the treatment of heroin withdrawal symptoms, No. 2, p. *6-14*

Guttmann, E.
Peyotl intoxication, No. 2, p. 27, 28

H

Habituation, Tolerance
Khat, No. 2, p. 42, 44
Morphine, No. 4, p. 10
Peyotl, mescaline, No. 2, p. 27, 28
Rate of development of . . . to lerance to ana gesic drugs in patients with chronic pain[1] I. Comparison of morphine, oxymorphine and anileridine, No. 1, p. *3-17*; No. 2, p. 45

Hanzlik, P. J.
Action of noscapine, No. 3, p. 7

Harris, Carl A., *see* N. B. Eddy *et al.*

Hashish, *see* Cannabis

Häussermann, H.
Analysis of narcotics, No. 4, p. 29

Hayashi, M.
Noscapine and blood pressure, No. 3, p. 7

Health Committee, *see* League of Nations

Hedqvist, H.
Treatment of addicts, No. 2, p. 6

Heffter, A.
Pellotine (peyotine), No. 2, p. 23, 26

Hendley, C. D. *et al.*
Meprobamate treatment, No. 2, p. 13

Heptalgin, *see* Phenadoxon

Hernández
Peyotl zacatensis, No. 2, p. 22

Heroin, *see* Diacetylmorphine

Himmelsbach, C. K. *see also* Eddy & Himmelsbach
Abstinence syndrome, No. 2, p. 10
Scoring system, No. 1, p. 4

Hissar
Beam's test, No. 4, p. 6

Hodges, H. H. & Lazerte
Reactions to tranquillizers, No. 2, p. 12

Holubek, J. *et al.*
Analysis of narcotics, No. 4, p. 29

Hexobarbital
Barbituric addiction, No. 3, p. 16 *et seq.*

Hong Kong
Treatment of heroin withdrawal symptoms, No. 2, p. 6, 7

Hospitals
Germany
— Munich University, No. 4, p. 29
Iran
— Care of addicts, No. 1, p. 2
Norway (Bispebjerg, Oslo municipal, Söder, Ullevaal)
— Barbiturate addiction, No. 3, p. 15 *et seq.*
USA
— Fort Worth and Lexington, addicted doctors, No. 1, p. 19,
— Lexington (Ky), Addiction Research Center, No. 1, p. 3 *et seq.*; No. 4, p. 15, 17
— Michael Reese (Chicago), addiction in newborn infants, No. 2, p. 15

Hossick, K. C.
Comm. on ND (14th sess.), No. 4, p. 39

Huant, E.
Dextromoramide, No. 4, p. 17

Hungary
Diacetylmorphine, No. 1, p. 48
Morphine
— from poppy straw, No. 1, p. 47
— production, p. 48

Huxley, A.
" Doors of perception ", No. 2, p. 27

Hydrocodone (Dicodid, Dihydrocodeinone, Nyodid).
Addiction
— Canada, No. 4, p. 28
— Germany, No. 1, p. 20

— Norway, No. 3, p. 25
Paper chromatography, No. 4, p. 21, 26, 28, 29, 30, 33
— Solvents, No. 4, annex tables II A, B, C, D, E
World production (1953-1957), No. 1, p. 48

Hydrocotarnine
Paper chromatography, No. 4, p. 21
— Solvents, No. 4, annex table II E

Hydromorphone(Dihydromorphinone,dilaudid), Addiction
— Germany, No. 1, p. 20; No. 4, p. 29
— Norway, No. 3, p. 25
Manufacture, No. 1, p. 27
PCOB Report (1958), No. 1, p. 48
Paper chromatography, No. 4, p. 21, 26, 29, 30
— Solvents, No. 4, annex tables II A, B, C, D, E
World production (1953-1957), No. 1, p. 48

Hydroxycodeine
Paper chromatography, No. 4, p. 21
— solvents, No. 4, annex table II E

3-hydroxy-N-methyl morphinan, *see* Racemorphan

3-hydroxy-$\Delta^6$-dehydro-N-methyl-morphinan
Synthesis of analogs, No. 3, p. 1

2'hydroxy-5, 9-dimethyl-2-(2-phenylethyl)-6,7-benzomorphan, *see* NIH-7519

(-) 3-hydroxynormorphinan
Control regime, No. 2, p. 47

2'-hydroxy-2, 5, 9-trimethyl-6, 7-benzmorphan
Control regime, No. 2, p. 47

Hydroxypethidine (Bemidone)
Micro-crystalline and colour tests, No. 1, p. 28-39

## I

ICAO (International Civil Aviation Organization)
Narcotic drugs in first-aid kits, No. 4, p. 41

ICPO-Interpol (International Criminal Police Organization)
First-aid kits, No. 4, p. 41
General Assembly, No. 1, p. 54
Singapore Central Narcotics Intelligence Bureau, No. 1, p. 54

Identification, *see* Determination

Illicit traffic
Col. C. H. L. Sharman, No. 4, p. 2, 3, 4
Comm. on ND (14th session), No. 4, p. 40
ICPO General Assembly, No. 1, p. 54
Khat, No. 2, p. 44
Opium
— Iran, No. 1, p. 1, 2; No. 3, p. 29

Imports, *see* Exports

India
Cannabis, consumption, No. 1, p. 47
Morphine manufacture, No. 1, p. 48
Opium
— exports to China, No. 1, p. 45
— production (1953-1957), No. 1, p. 47
— quasi-medical consumption, No. 1, p. 47

Indonesia
Coca leaves
— production, No. 1, p. 47

Information Centre on Narcotics (Drug Addiction)
APD 9th Report, No. 2, p. 45, 46

Institute
German Research Institute for Psychiatry, Munich (Max Planck Institute)
Institute for Legal and Social Medicine, Free University of Berlin
— $R_f$ values, No. 4, p. 29, 30

International non-proprietary names, *see* Nomenclature

International Opium Commission, *see* Commission, International Opium (1909)

International Opium Convention, *see* 1925 Convention

Ipecopan
Preparations, exempted, No. 2, p. 4

Iran, *see also* Persia
Opium
— control in Iran — a new regime, No. 1, p. *1-2*
— production (1953-1957), No. 1, p. 47
Present state of the struggle against the abuse of opium in Iran, No. 3, p. 29

Isbell, H. *et al*
Abstinence syndrome, No. 1, p. 3
Barbiturate addiction, No. 3, p. 24

Isomethadone (Isoamidone)
Dextromoramide, No. 4, p. 10
Manufacture (1953), Consumption (1953-1954) No. 1, p. 50
Micro-crystalline and colour tests, No. 1, p. 28-39

Isophen, *see* Pervitin

Italy
Consumption, No. 1
— diacetylmorphine, p. 48
— ketobemidone, p. 49
Manufacture, No. 1
— acetylmorphine, No. 1, p. 50
— normethadone, No. 1, p. 49
— pethidine, p. 49
National control, shortcoming in
— Acetylmorphine, No. 1, p. 50
Shanghai (international) Opium Commission (1909), No. 1, p. 45

## J

Janschulte, D.
Antitussive action of noscapine, No. 3, p. 8

Janssen, P. A.
Dextromoramide, No. 4, p. 10, 11, 15, 15

Japan
Cocaine consumption, No. 1, p. 49
Cocaine manufacture, p. 49
Far East Criminal Investigation Laboratory, Tokyo, No. 4, p. 28
Morphine manufacture, No. 1, p. 48
Shanghai (International) Opium Commission (1909), No. 1, p. 45

Jatzkewitz, H. L. & Lenz, U.
Detection of addiction, No. 4, p. 29, 30

Jetrium, *see* Dextromoramide

Joachimoglu, Prof. G.
Some remarks on the problem of cannabis, No. 3, p. *5-6*

Jürgensen-Stender, O.
Noscapine and cocaine, No. 3, p. 7

## K

Kaass, E., Retterstöl, N. & Sirnes, T.
Barbiturate intoxication and addiction as a public health problem in Oslo, No. 3, p. *15-28*

Kauder. E.
Anhalamine, No. 2, p. 23

Kervingant, Dr.
Consumption of khat in French Somaliland, No. 2, p. 42

Ketobemidone (Cliradon, Ketogan)
Germany
— Drug addiction, No. 1, p. 20; No. 4, p. 29
Micro-crystalline and colour tests, No. 1, p. 28-42 (ill.)
PCOB Report (1958), No. 1, p. 49
Norway
— Drug addicts, No. 3. p. 25
Paper chromatography, No. 4, p. 21, 29, 30, 31
— Solvents, No. 4, annex tables II A, B, C, D, E

Khat (Dimina, Tschat)
Consumption of khat in French Somaliland, No. 2, p. 42
Pharmacodynamics of khat, No. 2, p. *43-44*

Knaffl-Lenz, E.
Determination of toxicity, No. 4, p. 15

Konzett, H. & Rothlin, E.
Antitussive effects of noscapine, No. 3, p. 8

Koran
Khat, No. 2, p. 43

Košir, B. & Košir, J.
Chromogenic reagents, No. 4, p. 24

Kraepelin
Addiction, No. 1, p. 18

Krogerus, V. E. *et al*
Chromatographic technique, No. 4, p. 22, 28
$R_f$ values, No. 4, p. 27

Krüger, G. A. & Orth
Dextromoramide, No. 4, p. 11, 16

Kubie, I.
Barbiturates in psychotherapy, No. 3, p. 23

Kunstadter, R. H.
Narcotic withdrawal symptoms in newborn infants, No. 2, p. 15

## L

La Barre, Prof. J.
Pharmacological properties and therapeutic use of dextromoramide, No. 4, p. *10-19*

La Barre, J. & H. Plisnier
Experimental study relating to the antitussive properties of narcotine hydrochloride, No. 3, p. *7-15*

La Barre, Dr. Weston
Peyotl, No. 2, p. 28

Laboratory
Comm. on ND (14th session)
— UN Narcotic Laboratory, No. 4, p. 41
Far East Criminal Investigation Laboratory, Tokyo, No. 4, p. 28

Landry, S. F.
Curative effects of peyotl, No. 2, p. 24

Langeron, L.; Paget, M. & Vincent, G.
Dextromoramide, Physiological action, No. 4, p. 15, 16, 17

Laos
Opium
— Illicit traffic, No. 4, p. 41

Lasagna, L
Meprobamate treatment, No. 2, p. 12

Lasagna, L. & Beecher, H. K.
Optimal dose of morphine, No. 1, p. 4

Laudanidine

Laudanine
Paper chromatography, No. 4, p. 21, 24
— Solvents, No. 4, annex table II E

Laudanosine
Effect on blood pressure, No. 3, p. 7
Paper chromatography, No. 4, p. 21, 24
— Solvents, No. 4, annex table II E

Laudanum, Sydenham, *see* Oppii, extract and tincture

League of Nations
Advisory Committee on traffic in Opium . . .
— Col. C. H. L. Sharman, No. 4, p. 3, 4
— Exempted preparations, No. 2, p. 2, 3, 4
— Peyotl, No. 2, p. 16, 26 (peyotyl)
Health Committee
— Exempted preparations, No. 2, p. 2, 3, 4

Lee, C. O. *see* Gruhzit, C. C. & Lee, C. O.

Lee, Jr.; Lyndon, E., *see* Eddy, N. B. *et al*

Legislation
Belgium
— Dextromoramide, No. 4, p. 17
Canada
— Opium and Narcotic Drug Act (1929), No. 4, p. 2, 28
China
— Imperial edicts (1906), No. 1, p. 45
— Pharmacy Laws (1909), No. 1, p. 46
France
— Dextromoramide, No. 4, p. 17, 18
Germany
— Codes: Civil, Penal, of Criminal Procedure, No. 1, p. 21-25
— Criminal Law (amendment) Act (1953) No. 1, p. 22
— Deprivation of Liberty Acts, No. 1, p. 22
— Drug Addiction, No. 1, p. 18-25
— Narc. Drug Prescriptions Order (1930, amended), No. 1, p. 21
— Opium Act (1929), No. 1, p. 21, 22, 24
Iran, new opium laws (1955, 1958), No 1, p. 1
Norway
— Medical Practitioners' Rights and Duties Act (1927, 1936, 1957), No. 3, p. 25, 26
— Temperance Boards (1932, 1957), treatment of addicts, No. 3, p. 26, 27
United States, Montana
— Peyotl, No. 2, p. 18

Lemaire
Echinocactus Williamsii, No. 2, p. 22

Lemere, F.
Meprobamate treatment, No. 2, p. 12

Lethidrone, *see* Nalorphine

Levallorphan (Lorfan, (-)-3-hydroxy-N-allylmorphinan)
Micro-crystalline and colour tests, No. 1, p. 28-41 (ill.)

Levomethorphan
Micro-crystalline and colour tests, No. 1, p. 28-41 (ill.)

Levomoramide
Control regime, No. 2, p. 47
Commission on ND (14th sess.), No. 4, p. 39
Micro-crystalline and colour tests, No. 1, p. 28-29

Levorphanol (Dromoran, (—)-3-hydroxy-N-methylmorphinan)
Addiction
— Canada, No. 4, p. 28
— Germany, No. 1, p. 20; No. 4, p. 29
Manufacture, consumption (1953-1957), No. 1, p. 50
Micro-crystalline and colour tests, No. 1, p. 28-41 (ill.)
Paper chromatography, No. 4, p. 21, 28, 29, 30
— solvents, No. 4, annex tables II A, B, C, D, E
Synthesis of analogs, No. 3, p. 1

Lewin, L.
Anhalonium Lewinii, No. 2, p. 22, 23

Lexington (Ky.) Hospital, *see* Hospitals

List (Multilingual) of Narcotic Drugs under International Control
APD 9th Report, No. 2, p. 45, 46

Lophophora (Williamsii)
Peyotl 2, p. 22

Lophophorine
Chemical and physical properties, No. 2, p. 24

Lorfan, *see:* Levallorphan

Lous, P.
Spectrophotometric method, No. 3, p. 16

Lukomski
Cannabis preparations, No. 4, p. 5

## M

McAllister, Dr. D. P.
Peyotl, No. 2, p. 28

McMahon, J. E.
Treatment of addicts, No. 2, p. 6

Macek, K. *et al.*
Analysis method, No. 4, p. 31, 32
$R_{S0}$ values, No. 4, p. 27, 34

Macht, D. I.; Johnson, S. L. & Bollinger, H. J.
Action of opium alkaloids, No. 3, p. 7

Malacca
Treatment of addicts, No. 2, p. 6

Malinas, Y.
Dextromoramide, No. 4, p. 17

Mannering, G. J.
Chromogenic reagents, No. 4, p. 24
Detection of narcotics, No. 4, p. 31
$R_f$ values, No. 4, p. 27

Manufacture, Production
PCOB Report (1958), No. 1, p. *47-50*

Marihuana, *see:* Cannabis

Marinesco, G.
Peyotl intoxication, No. 2, p. 27

Martin, *et al.*
Paper chromatography, No. 4, p. 21

Max Planck Institute, *see* Germany, Federal Republic of

May, E. L.
New morphinan compound, No. 3, p. 1, 2

May, Herbert L.
Col. C. H. L. Sharman, No. 4, p. 1

Medical profession
Drug addiction in the medical and allied professions in Germany, No. 1, p. *18-26*
Norway
— Rights and Duties Act (1927, 1936, 1957), No. 3, p. 25, 26

Meissner, R.
Pharmacological study of noscapine, No. 3, p. 7

Mendes, F.; Dos Santos, J. & Soeiro, N.
Dextromoramide addiction, No. 4, p. 14

Meperidine, *see* Pethidine

Meprobamate
The use of meprobamate in the treatment of heroin withdrawal symptoms, No. 2, p. *6-14*

Mercier, F. & Delphaut, J.
Blood pressure and noscapine, No. 3, p. 7

Mescaline
— addiction, habituation, No. 2, p. 27, 28
— chemical and physical properties, No. 2, p. 24
— use in psychiatry, No. 2, p. 28, 29
— bibliography, No. 2, p. *30-41*
— effects, No. 2, p. 27

Methadone (Amidone)
Abstinence syndromes
— tests, No. 1, p. 3
— treatment, No. 2, p. 6
Addiction
— Canada, No. 4, p. 28
— Germany, No. 1, p. 20; No. 4, p. 29
— Norway, No. 3, p. 25
Bibliography, No. 3, p. *43-44*
Dextromoramide, compared to, No. 4, p. 12
Micro-crystalline and colour tests, No. 1, p. 28-43 (ill.)
PCOB Report (1958), No. 1, p. 49
Paper chromatography, No. 4, p. 21-31
— solvents, No. 4, annex tables II A, B, C, D, E
Production (1957), estimated requirements, No. 1, p. 52

Methadyl acetate, *see:* Alphacetylmethadol

Methods
Addiction
— barbiturates, investigating, No. 3, p. 16, 21,
— measuring rate of development, No. 1, p. 3, 4
Analgesic properties tested, No. 4, p. 10, 11
— D'Amour & Smith, Eddy, Ercoli & Lewis, Haffner, Radouco-Thomas, Winder, Woolfe-Macdonald methods
Antitussive properties of noscapine, No. 3, p. 10, 11, 12
— Charlier & Vandersmissen, J. J. Desmarez, Domenjoz, Perry & Boyd methods
Colour tests, No. 1, p. 29
Corneal reflex, No. 3, p. 5, 6; No. 4, p. 6, 9
J. J. Desmarez, No. 4, p. 13, 14
Identification
— Microchemical, Clarke & Williams technique, No. 1, p. 27, 29
Paper chromatography, No. 4, p. 20-34
— Analysis, Fischer's Macek's methods, p. 31, 32
— Detection, biological, p. 25, physical, p.24
— General methods (ascending (ill.), circular (ill.) descending, Durchlauf, two-dimensional, p. 21, 22
— appraisal of, p. 32, 34

*d*, *l*, or *dl* Methorphan
Paper chromatography, No. 4, p. 21
— solvents, No. 4, annex tables II A, B, E

Methyldesorphine
Micro-crystalline and colour tests, No. 1, p. 28-39

Methyl-dihydromorphine
Micro-crystalline and colour tests, No. 1, p. 27-39

Metopon (Methyldihydromorphinone)
Micro-crystalline and colour tests, No. 1, p. 27-40 (ill.)
Paper chromatography, No. 4, p. 21
— solvents, No. 4, annex table II E

Mexico
Opium
— illicit traffic, No. 4, p. 41
Peyotl, No. 2, p. 16-41
Miram, R. & Pfeifer, S.
Chromatographic technique, No. 4, p. 22
Chromogenic reagents, No. 4, p. 24
Molina, Fr. A. de
Peyotl, No. 2, p. 22
Morlock, G. A.
Obituary, No. 4, p. 38
Morpheridine (Morpholinoethyl-norpethidine)
Micro-crystalline and colour tests, No. 1, p. 28-42 (ill.)
Morphine
Addiction
— Canada, No. 4, p. 28
— Germany, No. 1, p. 20; No. 4, p. 29
— Norway, No. 3, p. 25
Bibliography, No. 3, p. *34-37*; morphine synthesis, p. 44-45
Consumption, No. 1, p. 2, 53
1925 and 1931 Conventions
— Preparations . . . from raw opium, No. 2, p. 1-5
Dextromoramide, No. 4, p. 10 *et seq.*
Modification, synthesis, No. 1, p. 27, No. 3, p. 2
Newborn infants, No. 2, p. 15
PCOB Report (1958), No. 1, p. 47, 48
Paper chromatography, No. 4, p. 21 *et seq.*
— solvents, No. 4, annex tables II A, B, C, D, E
Production (1957), estimated requirements, No. 1, p. 52
Shanghai (International) Opium Commission (1909) No. 1, p. 45, 46
Tolerance, physical dependence. Comparison with oxymorphone and anileridine, No. 1, p. *3-17*; No. 2, p. 45
Morphine-N-oxide (Genomorphine), N-Oxymorphine
Micro-crystalline and colour tests, No. 1, p. 28-40 (ill.)
Morphinone
Preparation, reduction, No. 3, p. 2
Morpholinoethyl-norpethidine, *see* Morpheridine
2-morpholinomethyl-7-benzoylbenzodioxane
2-morpholinomethyl-7(p-methoxybenzoyl) benzodioxane, *see:* 3633 CT, 3639 CT
Munier, R. & Macheboeuf, M.
Chromogenic reagents, No. 4, p. 24
$R_f$ values, No. 4, p. 27
Solvent systems, No. 4, p. 22, 23
Myrophine (Myricodine)
Micro-crystalline and colour tests, No. 1, p. 28-39


## N


Nadeau, G.
Chromatographic technique, No. 4, p. 22
$R_f$ values, No. 4, p. 27
Nalorphan
Paper chromatography, No. 4, p. 21
— solvents, No. 4, annex table II E
Nalorphine (Lethidrone, N-allyl-normorphine)
Dextromoramide test, No. 4, p. 13
Micro-crystalline and colour tests, No. 1, p. 27-40 (ill.)
PCOB Report (1958), No. 1, p. 48
Paper chromatography, No. 4, p. 21
— solvents, No. 4, annex tables II A, B, C, D, E
Tests on addiction-liability of analgesic drugs, No. 1, p. 3, 15, 16, 17; No. 2, p. 45
Narceine
Antitussive propetries, No. 3, p. 7
Paper chromatography, No. 4, p. 21, 24, 26, 28, 32, 33
— solvents, No. 4, annex tables II A, B, C, D, E
Narcotics Intelligence Bureau, Central, *see* Singapore
Narcotine, *see* Noscapine
Narcotoline
Paper chromatography, No. 4, p. 21, 24, 29
— solvents, No. 4, annex tables II C, D, E
National Institute of Mental Health, *see* United States, APD Report
Native American Church
Peyotl cult, No. 2, p. 18, 28
Nayrac, P. & Martin, H. J.
Dextromoramide, No. 4, p. 17
Neopine
Preparation of derivatives, No. 3, p. 3 (formula)
New narcotics
Comm. on ND (14th session)
— national control, No. 4, p. 39, 41, 42
International control, No. 2, p. 47
PCOB Report (1958), No. 1, p. 50, 51
Netherlands
Manufacture, No. 1
— cocaine, p. 49
— dextromoramide, p. 49
— morphine, from poppy straw, p. 47
— pethidine, p. 49
National control, shortcomings in, No. 1, p. 50
Opium smoking, prohibition, No. 4, p. 3
Shanghai (international) Opium Commission (1909), No. 1 p. 45
Nicomorphine (di-nicotinic acid ester of morphine) Control regime, No. 2, p. 47
NIH-7519 (2'hydroxy-5,6-dimethyl-2-(2-phenylethyl)-6,7-benzomorphan)
Provisional control, No. 4, p. 39
Nikolic, D.
Comm. on ND (14th sess.), No. 4, p. 39
Nisentil, *see* Alphaprodine
Nomenclature
APD, 9th Report, No. 2, p. 46
Drug Supervisory Body, No. 1, p. 52
Norcodeine (De-N-methylcodeine)
Control regime, No. 2, p. 47
Micro-crystalline and colour tests, No. 1, p. 28-39
Normethadone (Taurocolo, Ticarda)
Addiction
— Germany, No. 4, p. 29
Comm. on ND (14th sess.), No. 4, p. 39, 40
Control regime of preparations containing, No. 2, p. 47
Micro-crystalline and colour tests, No. 1, p. 28-29
National control, No. 1, p. 50, 51
PCOB Report (1958), No. 1, p. 49
Paper chromatography, No. 4, p. 21, 29, 30
— solvents, No. 4, annex tables II A, B, C, D, E
Normorphine (De-N-methylmorphine)
Comm. on ND (14th sess.) No. 4, p. 39
Control regime, No. 2, p. 47
Micro-crystalline and colour tests, No. 1, p. 28-39
Norway
Barbiturate intoxication and addiction as a public health problem in Oslo, No. 3, p. *15-28*
Noscapine (narcotine)
Antitussive action, No. 2, p. 45
Experimental study relating to the antitussive properties of narcotine hydrochloride, No. 3, p. *7-14*
Paper chromatography, No. 4, p. 21-23
— solvents, No. 4, annex tables II A, B, C, D, E
N-Oxymorphine, *see* Morphine-N-oxide


## O


Office international d'Hygiène publique,
Exempted preparations, No. 2, p. 4
Opii, extr. and tinct.
Control regime, No. 2, p. 3
Germany
— Drug addiction, No. 1, p. 20
Opium
Addiction
— Canada, No. 4, p. 28
— Norway, No. 3, p. 25
Bibliography, No. 3, p. *32-33*
Illicit traffic, No. 4, p. 40
Iran
— Opium control in Iran — a new regime, No. 1, p. *1-2*
— State of struggle against opium abuse, No. 3, p. 29
PCOB Report (1958), No. 1, p. 47
Shanghai Opium Commission (1909), No. 1, p. *45-46*
Opium poppy
Bibliography, No. 3, p. *32-33*
Illicit cultivation, No. 4, p. 40
Iran No. 1, p. 1, 2; No. 3, p. 29
Opium, raw
1931 Convention
— Preparations . . . from raw opium, No. 2, p. 1, 2
PCOB Report (1958), No. 1, p. 47
Production, requirements, No. 1, p. 47
Opium smoking
Hong Kong, No. 2, p. 6
Prohibition, No. 4, p. 3
Shanghai Opium Commission (1909), No. 1, p. 45
Orthedrine
Formula, No. 2, p. 44
Oxycodone (Eukodal)
Germany
— Drug addiction, No. 1, p. 20; No. 4, p. 29
Paper chromatography, No. 4, p. 21, 26, 29, 30, 32
— solvents, No. 4, annex tables II A, B, C, D, E
World production (1953-1957), No. 1, p. 48
Oxymorphone (Numorphan® 14-hydroxydihydromorphinone, dihydrohydroxymorphinone)
Control regime, No. 2, p. 47
Micro-crystalline and colour tests, No. 1, p. 28-39

Tolerance, physical dependence, Comparison with morphine and anileridine, No. 1, p. *3-17*; No. 2, p. 45

Özkol, M.
Comm. on ND (14th sess.), No. 4, p. 39

**P**

PCOB (Permanent Central Opium Board)
APD 9th Report, No. 2, p. 45
Preparations
— statistics, No. 2, p. 5
Report for 1958 to the Council, No. 1, p. *47-51*

Pakistan
Narcotics board, No. 1, p. 2
Opium
— illicit traffic, No. 4, p. 41
— quasi-medical consumption, No. 1, p. 47

Palfium, *see* Dextromoramide

Pantopon, *see* Alkaloids of opium, Mixed

Papaver rhoeas

Papaver setigerum

Papaver somniferum
Paper chromatography, No. 4, p. 28

Papaverine
Paper chromatography, No. 4, p. 21-33
— solvents, No. 4, annex tables II A, B, C, D, E

Paracelsus
Opium, No. 4, p. 10, 18

Pazdera, H. J. *et al*
Quantitative chromatography, No. 4, p. 34

Peeters, F.
Dextromoramide, No. 4, p. 17

Penalties
Iran
— Illicit traffic, cultivation, manufacture, No. 1, p. 1, 2

Pentymal
Barbituric addiction, No. 3, p. 16 et *seq.*

Permonid, *see* Desomorphine

Pershin, G. N. & Kechatov, E. A.
Assay of cannabis emulsions, No. 3, p. 5, 6; No. 4, p. 5, 6

Persia, *see also* Iran
Shanghai Opium Commission (1909), No. 1, p. 45

Peru
Coca leaves
— consumption, (1953-1957), No. 1, p. 47; No. 4, p. 41
— production, No. 1, p. 47
Cocaine, crude
— production, No. 1, p. 49

Pervitin (Isophen)
Drug addiction, No. 1, p. 20

Pescor, M. J.
Addicted physicians, No. 1, p. 19

Pethidine (Dolantin, Meperidine)
Addiction
— Canada, No. 4, p. 28
— Germany, No. 1, p. 20; No. 4, p. 29
— Norway, No. 3, p. 25
Bibliography, No. 3, p. *41-43*
Comparison with anileridine, No. 1, p. 4; with dextromoramide, No. 4, p. 12
Consumption, No. 1, p. 53
Control, No. 4, p. 4
PCOB Report (1958), No. 1, p. 49
Paper chromatography, No. 4, p. 21, 26, 28 29, 30, 31
— solvents, No. 4, annex tables II A, B, C, D, E
Production (1957), requirements, No. 1, p. 52
Tests
— micro-crystalline and colour reactions, No. 1, p. 27-42 (ill.)

Peyotine (pellotine)
Chemical and physical properties, No. 2, p. 23-24

Peyotl
Bibliography, No. 2, p. *30-41*
Chemical aspects, No. 2, p. 23-24
Description, No. 2, p. 17-21 (ill.)
Effects and uses, No. 2, p. 24-28
Habitat and Gathering, No. 2, p. 22-23
Historical background, No. 2, p. 16, 18
Research on use of mescaline, No. 2, p. 28-29
Terminology and taxonomy, No. 2, p. 22

Peyotyl
Peyotl, No. 2, p. 25, 26

Pfeifer, S.
Analysis of narcotics, No. 4, p. 28, 29
Chromogenic reagents, No. 4, p. 24
$R_f$ values, No. 4, p. 27

Pfeiffer, C. C. *et al.*
Effect of barbiturates, No. 2, p. 13

Pharmacists
Germany
prescriptions for narcotic drugs, No. 1, p. 21, 22, 24

Phenacetine
Abuse, No. 2, p. 45

Phenadoxone (Heptalgin)
Manufacture, consumption (1953-1957), No. 1, p. 50
Micro-crystalline and colour tests, No. 1, p. 28-39
Paper chromatography, No. 4, p. 21
— solvents, No. 4, annex tables II A, B, C, D, E

Phenobarbital (Luminal)
Treatment of addiction in newborn infants, No. 2, p. 15

Phenomorphan
Micro-crystalline and colour tests, No. 1, p. 28-39

Pholcodine (Ethnine, β-4-morpholinylethylmorphine)
Consumption, No. 1, p. 53
Micro-crystalline and colour tests, No. 1, p. 28-40 (ill.)
PCOB Report (1958), No. 1, p. 48
Paper chromatography, No. 4, p. 21
— solvents, No. 4, annex tables II A, B, C, D
World production (1953-1957), No. 1, p. 48

Physeptone, *see* Methadone

Pipadone, *see* Dipipanone

Piperidinomethyl-2-benzoyl-7-benzodioxan

Piperidinomethyl-2-p-methoxybenzoyl-7-benzodioxan, *see* 3570 CT, 3638 CT

Piulachs, P.
Dextromoramide, No. 4, p. 15, 17

Plisnier, H., *see* La Barre, J.

Plisnier, H. & Hernalsteen,
Action of noscapine on bronchial secretion, No. 3, p. 11

Polamidon, *see* Methadone

Poland
Morphine from poppy straw, No. 1, p. 47

Poppy capsules
Addiction, Canada, No. 4, p. 28

Poppy straw
PCOB Report (1958), No. 1, p. 47

Porphyroxine-meconidine
Paper chromatography, No. 4, p. 21, 24
— solvents, No. 4, annex tables II A, B, C, D, E

Portugal
Diacetylmorphine consumption, No. 1, p. 48
Ketobemidone consumption, No. 1, p. 49
Opium smoking prohibition, No. 4, p. 3
Shanghai Opium Commission (1909), No. 1, p. 45

Prentiss & Morgan
Mescal buttons, No. 2, p. 24

Preparations
Comm. on ND (14th session), No. 4, p. 40
PCOB Report (1958), No. 1, p. 47
Position of preparations of narcotic drugs under the narcotic treaties, with special reference to "exempted preparations", No. 2, p. *1-5*

Prescriptions
Germany
— Drug addictions, No. 1, p. 18, 21, 22, 25

Production, *see* Manufacture

Proheptazine (W.757)
Micro-crystalline and colour tests, No. 1, p. 28-39

Prohibition
Khat
— Somali, British, No. 2, p. 42, 44
— Somali, French, No. 2, p. 42, 44
Opium
— China, No. 1, p. 45
— Far East, No. 4, p. 3
— Iran, No. 1, p. 1, 2; No. 3, p. 29

Promedol, *see* Trimeperidine

Properidine (Spasmodolisine)
Manufacture, consumption (1954-1957), No. 1, p. 50
Micro-crystalline and colour tests, No. 1, p. 28-39

Proponesin, *see* Tolpronine

Propoxyphene (Doloxene)
Control regime, No. 2, p. 47
Micro-crystalline and colour tests, No. 1, p. 28-43 (ill.)
PCOB Report (1958), No. 1, p. 49

1946 Protocol
Preparations, exempted, No. 2, p. 4

1948 Protocol
Col. C H. L. Sharman, No. 4, p. 4
Comm. on ND (14th sess.), No. 4, p. 39
Dextromoramide control, No. 1, p. 50
Drug Supervisory Body, No. 1, p. 52-53
Normethadone (Ticarda) control, No. 1, p. 50, 51
PCOB Report (1958), No. 1, p. 47
World requirements. No. 1, p. 52

Protopine
Paper chromatography, No. 4, p. 21
— solvents, No. 4, annex table II E

Pseudomorphine
Paper chromatography, No. 4, p. 21, 26
— solvents, No .4, annex tables IIA, B, C, D, E

Putt, E. B.
Peyotl intoxication, No. 2, p. 27
Pyrrolamidol, *see* Dextromoramide

**Q**

Quasi-medical consumption
Opium
— India, Pakistan, No. 1, p. 47
Peyotl
— Mexico, United States, No. 2, p. 28

**R**

R. 875, *see* Dextromoramide
Racemoramide
Micro-crystalline and colour tests, No. 1, p. 28-29
Racemethorphan
Micro-crystalline and colour tests, No. 1, p. 28-41 (ill.)
Racemorphan (Citarin, 3-hydroxy-N-methyl morphinan)
Manufacture (1953-1957), No. 1, p. 50
Micro-crystalline and colour tests, No. 1, p. 28-39
New compounds, No. 3, p. 1, 2
Synthesis of isomers, No. 3, p. 1
Radji, Dr. A. H.
Opium control in Iran — a new regime, No. 1, p. *1-2*
Rahman, A. A. A.
Rf values, No. 4, p. 27
Rapoport, H. *et al*
Derivatives of codeine, No. 3. p. 3
Rasor
Addicted doctors, No. 1, p. 19
Raw opium, *see* Opium, raw
Reagents
Cannabis resin tests, No. 4, p. 6, 7
Micro-crystalline tests, No. 1, p. 44
Paper chromatography, No. 4, p. 24
Rebut
Anhalonium Jourdanianum, No. 2, p. 22
Reichelt, J.
Rf values, No. 4, p. 27
Separating system, No. 4, p. 29
Reichärtztekammer (Reich Medical Chamber), *see* Medical Profession
Report
APD (Expert Committee on Addiction-producing Drugs of the World Health Organization), Ninth report, No. 2, p. *45-46*
Comm. on ND (14th sess.) No. 4, p. 39-42
DSB, statement and estimates (1959), No. 1, p. *52-53*
Economic and Social Council (28th session), No. 4, p. *39-42*
PCOB (1958), No. 1, p. *45-51*
Research
Addiction Research Center, *see* Hospitals, Lexington, Ky.
Comm. on ND (14th session), No. 4, p. 40, 41
Iran
— Opium, No. 1, p. 2
Resolutions
Commission on Narcotic Drugs, 14th session, No. 4:
— 6 (XIV), Opium determination, p. 40, 41
— 8 (XIV), Cannabis determination, p. 41
— 11 (XIV), Technical assistance, p. 39
Council, 28th session, No. 4:
— 730 (XXVIII) C, 1948 Protocol, p. 39
D, New drugs, p. 39
E, and 548 F (XVIII), Cannabis, p. 41
F, Packing of synthetic narcotics, p. 42
G, First-aid kits, p. 41
I, Technical assistance, p. 39
Resplandy, A.
Rf values, No. 4, p. 25
Retterstöl, N., *see* E. Kaass *et al*
Riddell, Dr. W. A.
1931 Limitation Conference, No. 4, p. 2
Rf values
Addicts, urine, No. 4, p. 30 (table)
Codeine-hydrocodone, No. 4, p. 29 (table)
Papaverine-morphine, No. 4, p. 27 (table)
Paper chromatography, No. 4, p. 25-34
Ro, A.
Hyperglycemic action of noscapine, No. 3, p. 7
Roba, P.
Dextromoramide, No. 4, p. 17
Romania
Morphine
— from poppy straw, No. 1, p. 47
Romilar, *see* Dextromethorphan
Roosevelt, Th.
Shanghai Opium Commission (1909), No. 1, p. 45
Rost, Dr.
Drug addiction in Germany, No. 1, p. 24
Rouhier, A.
Le peyotl, No. 2, p. 16 *et seq.*
Royal Canadian Mounted Police
Col. C. H. L. Sharman, No. 4, p. 1, 2
Ruggiero, A.
Dextromoramide habituation, No. 4, p. 15, 17
Rovati, L.
Dextromoramide, No. 4, p. 12
Russia, *see also* USSR
Shanghai Opium Commission (1909), No. 1, p. 45

**S**

Saifer, A. & Oreskes, I.
Rf values, No. 4, p. 25
Sainz, A. A.
Treatment of addicts, No. 2, p. 6
Sakussow, W. W.
Action of noscapine, No. 3, p. 7
Salvesen, B. & Paulsen, A.
Chromogenic reagents, No. 4, p. 24
Separating system (codeine/hydrocodone), No. 4, p. 29
San Francisco Conference, *see* Conference, San Francisco
Sargent, L. J., Schwartzman, L. H. & Small, L. F.
Preparation of hydroxylated codeine and neopine derivatives, No. 3, p. 3
Sarguin, K. D. & Vasilyeva, V. V.
Pharmacological assay of cannabis preparations No. 3, p. 5; No. 4, p. 5, 6, 9
Scheidweiller
Peyotl, No. 2, p. 22
Schumann, K.
Echinocactus Williamsii, No. 2, p. 22
Seevers, M. H.
Addiction liability of new compounds, No. 1, p. 3
Seevers, M. H. & Wood, L. A.
Withdrawal symptoms, No. 2, p. 13
Seibert, R. A. *et al.*
Biological methods for detection, No. 4, p. 25
Seizures
Comm. on ND (14th session), No. 4, p. 40
Sejtved, B.
Dextromoramide, No. 4, p. 17
Selling, L. S.
Meprobamate, toxic effects, No. 2, p. 12
Serre, L. *et al.*
Dextromoramide, No. 4, p. 15, 16
Sertürner
Morphine isolation, No. 1, p. 27; No. 4, p. 10
Seze, P. de, *et al.*
Dextromoramide, No. 4, p. 13
Shanghai Opium Commission, *see* Commission
Sharman, Col. C. H. L.
Biography, No. 4, p. *1-4* (ill.)
Shenfeld, B.
Cannabis resin, No. 4, p. 5
Siam, *see also* Thailand
Shanghai Opium Commission, (1909), No. 1, p. 45
Singapore
Central Narcotics Intelligence Bureau, No. 1, p. 54
Single Convention, *see* Convention, draft Single
Sirnes, T. *see* E. Kaass *et al.*
Slotkin, J. S.
Peyotl, No. 2, p. 22, 28
Sokolov, N.
Cannabis resin, No. 4, p. 5.
Sokolov, Prof. S. D.
Cannabis extract tested, No. 4, p. 6
Somaliland, British
Khat prohibition, No. 2, p. 42, 44
Somaliland, French
Khat
— consumption, No. 2, p. 42, 43
— economics, No. 2, p. 44
Soupault, R., Caroli, J. *et al.*
Dextromoramide, No. 4, p. 13, 16, 17
Spain
Morphine manufacture, No. 1, p. 48
Spasmodolisine, *see* Properidine
Späth, E.
Peyotl alkaloids, No. 2, p. 23
Statistics, *see* Estimates
Stewart, Dr. O. C.
Peyotl, No. 2, p. 28
Stocks
PCOB Report (1958), No. 1, p. 47-50
Straub & Gayer
Corneal reflex, No. 3, p. 5; No. 4, p. 6
Svendsen, A. B.
Chromogenic reagents, No. 4, p. 24
Sweden
Ketobemidone consumption, No. 1, p. 49

Switzerland
Ketobemidone
— consumption (1954-1957), No. 1, p. 49
— production (1953, 1956, 1957), No. 1, p. 49
Sydenham laudanum
Control regime, No. 2, p. 3
Synthetic analgesics
APD, UN document, No. 2, p. 45
Bibliography, No. 3, p. *41-45*
Col. C. H. L. Sharman, No. 4, p. 4
Dextromoramide, No. 4, p. *10-19*
Germany, drug addiction, No. 1, p. 20
Microchemical identification of some modern analgesics, No. 1, p. *27-44* (ill.)

T

Talla, Tedji, Tschat
Khat, No. 2, p. 43
Tatum, A. L. *et al.*
Withdrawal symptoms, No. 2, p. 13
Taurocolo, *see* Normethadone
Tax, Prof. S.
Peyotl, No. 2, p. 28
Technical Assistance
Coca leaves, No. 4, p. 41
Comm. on ND (14th sess.), No. 4, p. 39
Iran
— opium control, No. 3, p. 29
— training programme, No. 1, p. 2
Temple, J. P., Attiso, M. & Serre, L.
Dextromoramide, No. 4, p. 16
Tests, *see also* Methods
Allyl tests, No. 1, p. 4, *10-17*
Cannabis
— Beam, diazotization, Duquénois & Negm, Ghamraway, Million reagents, No. 4, p. 6
— Corneal reflex, No. 4, p. 6, 9
Dextromoramide
— Hardy, Wolff & Goodeli; Hewer & Akeele, No. 4, p. 12
— Macht & Barba-Gose, No. 4, p. 13
Micro-colour and micro-crystalline tests for synthetic analgesics, No. 1, p. *27-44* (ill.)
Thailand
Opium
— illicit traffic, No. 4, p. 41
— non-medical consumption, No. 1, p. 47
Thebacon (Acedicon, Acetyldihydrocodeinone)
Germany
— Drug addiction, No. 1, p. 20
Micro-crystalline and colour tests, No. 1, p. 28-41 (ill.)
Paper chromotography, No. 4, p. 21, 30
— solvents, No. 4, annex tables II A, B, C, D, E
World production (1953-1957), No. 1, p. 48
Thebaine
Paper chromatography, No. 4, p. 21, 24-33
— solvents, No. 4, annex tables II A, B, C, D, E
Production (1957), estimated requirements, No. 1, p. 52
Synthetic interconversions, No. 3, p. 2, 3, 4
Themalon, *see* Diethylthiambutene
Thies, H. & Reuther, F. W.
Solvents for narcotics, No. 4, p. 23
Thimann, J. & Gauthier, J. W.
Treatment of addicts, No. 2, p. 6, 7
Thomas, G. & Roland, P.
$R_f$, $R_{Mor}$ values, No. 4, p. 27
Ticarda, *see* Normethadone
Tolerance, *see* Habituation
Tolpronine (Proponesin, α-$\Delta^3$ pipereidino-β-hydroxy-γ-ortho-toloxy-propane)
Micro-crystalline and colour tests, No. 1, p. 28-39
Toxicity
Dextromoramide, No. 4, p. 15
Trade, legal
PCOB Report (1958), No. 1, p. *47-51*
Traffickers
IOCP-Interpol, General Assembly, No. 1, p. 54
Treatment of addicts
APD 9th Report, No. 2, p. 46
Germany
— Compulsory committal, No. 1, p. 22, 23
— Therapy, Rehabilitation, Prevention, No. 1, p. 22, 24, 25
Trellu, Dr. M.
Pharmacodynamics of khat, No. 2, p. *43-44*
Trimeperidine (Promedol)
Micro-crystalline and colour tests, No. 1, p. 28-42 (ill.)
Production, consumption, stocks, No. 1, p. 49
Turkey
Opium production (1953-1957), No. 1, p. 47

U

United Kingdom
Addicted physicians, No. 1, p. 19
Consumption, manufacture, No. 1
— cocaine, p. 49
— diacetylmorphine, p. 48
— methadone, p. 49
— morphine, p. 48
— pethidine, p. 49
Iran, technical assistance, No. 1, p. 2
Opium smoking, prohibition of, No. 4, p. 3
Shanghai Opium Commission (1909), No. 1, p. 45
United States
APD, 9th Report
— Information Centre on Narcotics (National Institute of Mental Health), No. 2, p. 45, 46
Iran, Overseas Mission, No. 1, p. 2
Manufacture, consumption
— Cocaine, No. 1, p. 49
— Methadone, No. 1, p. 49
— Pethidine, No. 1, p. 49
— Propoxyphene, No. 1, p. 49
National Research Council
Drug Addiction Committee, Research on addiction liability, No. 1, p. 3
Opium smoking, prohibition, No. 4, p. 3
Peyotl, No. 2, p. 16-41
Shanghai (International) Opium Commission (1909), No. 1, p. 45
USSR (Union of Soviet Socialist Republics)
All-Union Scientific Research Institute for Fibre Crops (Glukhov), Cannabis plants, No. 4, p. 5
Chemical and biological evaluation of the resin of hemp grown for seed in the central districts of the European part of the USSR, No. 4, p. *5-9*
Cocaine consumption, No. 1, p. 49
Morphine
— from poppy straw, p. 47
— production, p. 48
Opium production (1953-1957), No. 1, p. 47
Trimeperidine (Promedol)
— production, consumption, stocks, No. 1, p. 49
Usui, T.
Action of noscapine, No. 3, p. 7

V

Vaille, Ch.
Dextromoramide, No. 4, p. 13
Vaille, Ch. & Stern, G.
Addicted physicians, No. 1, p. 19
Van Dongen, K.
Noscapine in narcosis, No. 3, p. 7
Van Proosdij-Hartzema
Dextromoramide, No. 4, p. 12
Van Wettum
Col. C. H. L. Sharman, No. 4, p. 1
Vasilyeva, V. V.
Cannabis preparations, No. 4, p. 5, 6, 9
Vidic, E.
Separating system (codeine/hydrocodone), No. 4, p. 29
Separating system (morphine/Dilaudide), No. 4, p. 30
Vieböck
8-14-dihydroxydihydrocodeinone, No. 3, p. 3
Viet-Nam
Opium
— illicit traffic, No. 4, p. 41
Vogel, V. *et al.*
Drug addiction, No. 2, p. 13

W

W. 401, *see* Ethoheptazine
W. 757, *see* Proheptazine
WHO (World Health Organization)
APD (Expert Committee on Addiction-producing Drugs)
— 8th Report, Dextromoramide, No. 4, p. 18
— 9th Report, No. 2, p. *45-46*
— Information Centre on Narcotics and Drug Addicts, No. 2, p. 46
Commission on ND (14th session), No. 4, p. 39, 40, 41
Morphine, pethidine, analgesic potencies, No. 1, p. 53
Normethadone, control, No. 1, p. 51
Preparations
— cannabis, No. 1, p. 48
— diacetylmorphine, No. 2, p. 3
— exempted, No. 2, p. 3-5; No. 4, p. 40
Scope of control, No. 2, p. 47; No. 4, p. 39, 40
Technical assistance, No. 4, p. 39
Wagner, G.
$R_f$ values, No. 4, p. 27
Separating system (Codeine/hydrocodone), No. 4, p. 29
Waldi, D.
Analysis of alkaloids, No. 4, p. 32
Wallenstein S. L. & Houde, R. W.
Oxymorphone hydrochloride, analgesic dose, No. 1, p. 4
Weiss, U.
14-hydroxycodeine, No. 3, p. 2
Wikler, A.; Fraser, H. F. & Isbell, H.
Nalorphine, No. 1, p. 3

Winter, C. A. & Flataker, L.
Antitussive action of noscapine, No. 3, p. 8

Withdrawal
Abrupt, No. 1, p. 24
Narcotic withdrawal symptoms in newborn infants, No. 2, p. 15
Symptoms, No. 1, p. 21; No. 4, p. 10
Tests on addiction-liability of analgesic drugs, No. 1, p. 3, 10, 15, 16, 17
Treatment by dextromoramide, No. 4, p. 16
Use of meprobamate in the treatment of heroin withdrawal symptoms, No. 2, p. *6-14*

Wolfes, O.
Cathine, No. 2, p. 43

Wolff, P. O.
Addiction of physicians, No. 1, p. 19

**Y**

Yemen
Khat, No. 2, p. 42, 43

**Z**

Zactane, *see* Ethoheptazine

Zaffaroni, A. *et al*
Chromogenic reagents, No. 4, p. 24
System of chromatography, No. 4, p. 27

Zinin, N. & Pelikan, E.
Cannabis, No. 4, p. 5

Zucker, A. H.; Machlin, S. D. & Scott, W.
Meprobamate treatment, No. 2, p. 12

Zunz, E.
Action of noscapine, No. 3, p. 7

Zverev
Cannabis preparations, No. 4, p. 5